

United States of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number ST02644NY-D

This certificate, issued to Delta Engineering
13 DRBA Way
New Castle County Airport
New Castle, Delaware 19720

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.

Original Product — Type Certificate Number: A21EA
Make: Bombardier Inc.
Model: CL-600-1A11

Description of Type Design Change:

Update of an AlliedSignal Enhanced Ground Proximity Warning System (EGPWS) MK VII to add display using a Avtech Display Switching Unit in accordance with Delta Engineering Master Data List 0108-06575-2201 Revision A dated July 9, 2009 or later FAA approved revisions to Delta Engineering Master Data List previously listed. Instructions for Continued Airworthiness and Airplane Flight Manual Supplement as listed on the Master Data List are required with this installation.

Limitations and Conditions:

1. If the holder agrees to permit another person to use the certificate to alter the product, the holder shall give the other person written evidence of that permission.
2. Compatibility of this design change with previously approved modifications must be determined by the installer.
(See Continuation Sheet 2)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: March 19, 2009

Date reissued:

Date of issuance: July 10, 2009

Date amended:



By direction of the Administrator

Jonathan E. Moritz
DAS Administrator
Delta Engineering, DAS-800728-NE

(Title)

Any Alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

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(Continuation Sheet)

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Issue Date: July 10, 2009

Limitations and Conditions (continued):

3. The Honeywell EGPWS display must interface with the following listed required existing systems, which must be installed in a manner acceptable to the FAA Administrator, the below listed required existing systems are not approved by this STC.

Required existing systems/components:

System	Manufacture	Model	Additional Requirements
PRIMUS	Honeywell	400	-
EGPWS	Honeywell	VII	An existing 965-1076-001-204-204 FAA STC SA8114NM-D

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Bombardier CL-600-1A11 aircraft with this STC is as follows:

- a. The type certification basis for CL-600-1A11 airplanes is shown on TCDS A21EA for parts **not changed or not affected** by the change.
- b. The certification basis for parts **changed or affected** by the change since the reference date of application, Mar. 19, 2009 is based upon part 25 as amended by Amendment 25-122. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be as shown on the TCDS A21EA except the regulations listed below:

Section	Title	At Amendment
§25.831	Ventilation	25-89
§25.853	Compartment interiors	25-116
§25.869	Fire protection: systems	25-113
§25.981	Fuel tank temperature	25-102
§25.1307	Miscellaneous equipment	25-72
§25.1351	General	25-72
§25.1353	Electrical equipment and installations	25-113
§25.1355	Distribution system	25-38
§25.1431	Electronic equipment	25-113
§25.1529	Instructions for Continued Airworthiness	25-54
§25.1557	Miscellaneous markings and placards	25-72
§25.1581	General	25-72
§25.1583	Operating limitations	25-105
§25.1585	Operating procedures	25-105

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